

Form PTO-1449 (modified)

Atty. Docket No.

STFD:009-1

Serial No.

09/356,322

List of Patents and Publications for Applicant's

Applicant

P.O. Brown and T.D. Shalon

INFORMATION DISCLOSURE STATEMENT

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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
AM	1	US 4,811,062	03/07/1989	Tabata et al.	356	152	7/1/1988
	2	US 3,077,780	02/19/1963	Takatsy	73	425.4	11/21/1961
	3	US 3,615,240	10/26/1971	Sanz	23	259	2/24/1970
	4	US 4,121,222	10/17/1978	Diebold et al.	346	75	9/6/1977
	5	US 4,162,896	07/31/1979	Hosli	23	230R	2/27/1978
	6	US 4,216,245	08/05/1980	Johnson	427	2	7/25/1978
	7	US 4,325,913	04/20/1982	Wardlaw	422	100	10/20/1980
	8	US 4,340,390	07/20/1982	Collins et al.	23	230B	5/6/1981
	9	US 4,378,333	03/29/1983	Laipply	422	100	12/11/1980
	10	US 4,395,486	07/26/1983	Wilson et. al.	435	6	8/19/1981
	11	US 4,537,861	08/27/1985	Elings et al.	436	518	2/3/1983
	12	US 4,586,546	05/06/1986	Mezel et al.	141	2	10/23/1984
	13	US 4,588,682	05/13/1986	Groet et al.	435	6	12/13/1982
	14	US 4,598,049	07/01/1986	Zelinka et al.	435	287	8/31/1983
	15	US 4,631,211	12/23/1986	Houghten	428	35	3/25/1985
	16	US 4,656,007	04/07/1987	Douchy et al.	422	64	9/24/1985
	17	US 4,656,127	04/07/1987	Mundy	435	6	4/23/1984
✓	18	US 4,668,476	05/26/1987	Bridgham et al.	422	62	3/23/1984

EXAMINER: *Andr. Mansley*DATE CONSIDERED: *1-8-05*

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AM	19	US 4,675,301	06/23/1987	Chameski et al.	436	180	4/1/1985
	20	US 4,704,256	11/03/1987	Hood et al.	422	68	11/10/1982
	21	US 4,713,326	12/15/1987	Dattagupta et al.	435	6	5/18/1984
	22	US 4,715,413	12/29/1987	Backlund et al.	141	94	10/8/1986
	23	US 4,737,344	04/12/1988	Koizumi et al.	422	100	4/22/1987
	24	US 4,738,669	04/19/1988	Vlock	604	289	1/30/1987
	25	US 4,746,490	05/24/1988	Saneil	422	62	2/6/1986
	26	US 4,757,437	07/12/1988	Nishimura	364	167	7/9/1986
	27	US 4,766,062	08/23/1988	Diamond et al.	435	6	5/7/1984
	28	US 4,798,706	01/17/1989	Brigati	422	102	3/31/1987
	29	US 4,811,218	03/07/1989	Hunkapiller et al.	364	413.01	6/2/1986
	30	US 4,818,492	04/04/1989	Shimizu	422	100	3/20/1987
	31	US 4,861,866	08/29/1989	Durum et al.	530	333	1/21/1987
	32	US 4,877,745	10/31/1989	Hayes et al.	436	166	3/14/1989
	33	US 4,886,741	12/12/1989	Schwartz	435	5	12/9/1987
	34	US 4,888,278	12/19/1989	Singer & Lawrence	435	6	10/13/1988
	35	US 4,931,384	06/05/1990	Layton et al.	435	7	10/17/1984
	36	US 4,944,922	07/31/1990	Hayashi	422	100	4/14/1989
V	37	US 4,965,188	10/23/1990	Mullis et al.	435	6	6/17/1987

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	39	US 5,006,464	04/09/1991	Chu et al.	435	7.1	10/1/1987
	40	US 5,011,770	04/30/1991	Kung et al.	435	6	7/24/1990
	41	US 5,026,773	06/25/1991	Steel	525	54.11	12/5/1988
	42	US 5,028,525	07/02/1991	Gray et al.	435	6	6/26/1990
	43	US 5,037,882	08/06/1991	Steel	525	54.11	12/23/1988
	44	US 5,059,398	10/22/1991	Kenney	422	100	7/22/1985
	45	US 5,063,081	11/05/1991	Cozzette et al.	427	2	8/15/1990
	46	US 5,077,085	12/31/1991	Schnur et al.	427	98	3/6/1987
	47	US 5,077,210	12/31/1991	Eigler et al.	435	176	1/13/1989
	48	US 5,079,600	01/07/1992	Schnur et al.	357	4	4/18/1988
	49	US 5,094,594	03/10/1992	Brennan	417	322	4/23/1990
	50	US 5,096,807	03/17/1992	Leaback	435	6	12/1/1989
	51	US 5,100,626	03/31/1992	Levin	422	100	5/24/1990
	52	US 5,143,849	09/01/1992	Barry et al.	436	50	3/21/1991
	53	US 5,164,319	11/17/1992	Hafeman et al.	435	291	11/17/1989
	54	US 5,171,695	12/15/1992	Ekins	436	501	5/6/1987
	55	US 5,175,209	12/29/1992	Beattie et al.	525	54.11	1/31/1991
P	56	US 5,324,633	06/28/1994	Fodor et al.	435	6	11/22/1991

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	58	US 5,432,099	07/11/1995	Ekins	436	518	12/1/1992
	59	US 5,436,327	07/25/1995	Southern et al.	536	25.34	9/21/1989
	60	US 5,455,008	10/03/1995	Earley et al.	422	100	8/8/1994
	61	US 5,465,629	11/14/1995	Waylett Jr.	73	864.24	4/11/1994
	62	US 5,492,806	02/20/1996	Drmanac et al.	435	5	4/12/1993
	63	US 5,525,464	06/11/1996	Drmanac et al.	435	6	2/28/1994
	64	US 5,532,128	07/02/1996	Eggers et al.	435	16	12/12/1994
	65	US 5,569,584	10/01/1996	Augenlicht	435	6	3/14/1994
	66	US 5,599,720	02/04/1997	Ekins	436	501	6/17/1994
	67	US 5,604,099	02/18/1997	Erllich et al.	435	6	6/1/1995
	68	US 5,695,940	12/09/1997	Drmanac et al.	435	6	6/5/1995
	69	US 5,763,262	06/09/1998	Wong et al.	435	287.2	4/3/1992
	70	US 6,040,166	03/21/2000	Erllich et al.	435	194	9/27/1994

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AM	71	EP 0 130 523 A2	01/09/1985	EP	C12Q 1	68	
AM	72	EP 0 142 299 A2	05/22/1985	EP	C12Q 1	68	

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AM	73	EP 0 171 150 A2	02/12/1986	EP	G01N 33	543	
	74	EP 0 185 547 A2	06/25/1986	EP	G01N 33	58	
	75	EP 0 194 132 A2	09/10/1986	EP	G01N 21	76	
	76	EP 0 228 075 A2	07/08/1987	EP	C12Q 1	68	
	77	EP 0 237 362 A1	09/16/1987	EP	C12Q 1	68	
	78	EP 0 260 965 A2	03/23/1988	EP	G01N 33	543	
	79	EP 0 304 202 B1	02/22/1989	EP	G01N 33	543	
	80	EP 0 328 256 A1	08/16/1989	EP	B01J 20	32	
	81	EP 0 373 203 A (= WO 89/10977 A1)	06/20/1990	EP	C12Q 1	68	
	82	EP 0 392 546 A2	10/17/1990	EP	C12Q 1	68	
	83	JP 62-254034	11/05/1987	JP	G01N 1	28	
	84	WO 85/01051	03/14/1985	PCT	C07H 15	12	
	85	WO 86/00991	02/13/1986	PCT	G01N 33	53	
	86	WO 86/06487 A1	11/06/1986	PCT	G01N 33	53	
	87	WO 88/01058 A1	02/11/1988	PCT	G01N 33	543	
	88	WO 88/01302 A1	02/25/1988	PCT	C12Q 1	68	
	89	WO 90/00626 A1	01/25/1990	PCT	C12Q 1	68	
	90	WO 90/02605 A1	03/22/1990	PCT	B01J 19	00	

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AM	91	WO 90/07582 A1	07/12/1990	PCT	C12Q 1	68	
	92	WO 91/00868 A1	01/24/1991	PCT	C07H 21	00	
	93	WO 91/07087 A1	05/30/1991	PCT	A01N 1	02	
	94	WO 92/10092 A1	06/25/1992	PCT	A01N 1	02	
	95	WO 93/17126 A1	09/02/1993	PCT	C12Q 1	68	

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AM	96	Monaco, Lehrach et al.	Abstract of paper presented at 1989 Meeting on Genome Sequencing and Mapping (Cold Spring Harbor Press) p. 90	Human Genome Linking with Cosmids and Yeast Artificial Chromosomes	04/26/1989
	97	Hoheisel, Lehrach et al.	Adv. Mol. Gen. 4:125-132	Use of high coverage libraries for an integrated analysis of genomic DNA.	00/00/1991
	98	Meinkoth & Wahl	Anal. Biochem. 138:267-284	Hybridization of Nucleic Acids Immobilized on Solid Supports	00/00/1984
	99	Dattagupta et al.	Anal. Biochem. 177:85-89	Rapid Identification of Microorganisms by Nucleic Acid Hybridization after Labeling the Test Sample	00/00/1989
	100	Kerkof & Kelly	Anal. Biochem. 188:349-355	A Procedure for Making Simultaneous Determinations of the Relative Levels of Gene Transcripts in Tissues or Cells	00/00/1990

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AM	101	Newman & Turner	Analytica Chimica Acta 262:13-17 (1992)	Ink-jet printing for the fabrication of amperometric glucose biosensors	00/00/1992
	102	Teng & Vest	Appl. Math. Modelling 12:182-188 (1988)	Mathematical models of ink jet printing in thick-film hybrid microelectronics	04/00/1988
	103	Kuriyama	Applied Biosensors (Donald Wise Ed.) Butterworths pp. 93-114 (1989)	An ISFET Biosensor	00/00/1989
	104	Frumgarts et al.	Bioorg Khim, 12:1508-13 (1986)	Preparation of fluorescent-labeled DNA and its use as a probe in molecular hybridization	00/00/1986
	105	Uber et al.	BioTechniques 11(5):642-647	Application of robotics and image processing to automated colony picking and arraying.	11/00/1991
	106	Ekins and Chu	Clin. Chem. 37(11):1955-1967	Multianalyte Microspot Immunoassay-Microanalytical 'Compact Disk' of the Future	00/00/1991
	107	Bannwarth et al.	DNA 5(5):413-419 (1986)	Laboratory Methods: A System for the Simultaneous Chemical Synthesis of Different DNA Fragments on Solid Support	00/00/1986
	108	Arnold et al.	Federation Proceedings 43(7) Abstract No. 3669 (1984)	A Novel Universal Support for DNA & RNA Synthesis	00/00/1984
	109	Takada et al.	Fujitsu Sci. Tech. J. 22(2):132-138	Effect of Ink Channel Dimensions and Fluid Viscosity in Drop-on-Demand Ink-Jet Printing	06/00/1986
✓	110	Hanahan & Meselson	Gene 10:63-67	Plasmid Screening at High Colony Density	00/00/1980

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AM	111	Lewin	Genes, John Wiley & Sons, New York		00/00/1987
	112	Zischler, Epplen et al.	Hum. Gen. 82:227-233	Digoxigenated oligonucleotide probes specific for simple repeats in DNA fingerprinting and hybridization in situ	00/00/1989
	113	Teng & Vest	IEEE Trans. Indus. Elec. 35(3):407-412	A Microprocessor-Controlled Ink Jet Printing System for Electronic Circuits	08/00/1988
	114	Bhatia et al.	J. Am. Chem. Soc. 114:4432-4433	New Approach To Producing Patterned Biomolecular Assemblies	02/01/1992
	115	Kyser et al.	J. Appl. Photographic Eng. 7(3):73-79 (1981)	Design of an Impulse Ink Jet	06/00/1981
	116	Wallace	J. Electronic Packaging 36(5):108-111	Automated Electronic Circuit Manufacturing Using Ink-Jet Technology	06/00/1989
	117	Raoult and Dasch	J. Immunological Meth. 125:57-65	The Line Blot: an immunoassay for monoclonal and other antibodies	00/00/1989
	118	Hoheisel, Lehrach et al.	J. Mol. Biol. 220:903-914 (1991)	Use of High Coverage Reference Libraries of Drosophila melanogaster for Relational Data Analysis	08/20/1991
	119	Southern	J. Mol. Biol. 98:503-517 (1975)	Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis	11/05/1975
	120	Bernardini et al.	J. Neuroscience Meth. 38:81-88	Applications of Piezoelectric Fluid Jetting Devices to Neuroscience Research	00/00/1991
✓	121	Ekins	J. Pharm. Biomed. Anal. 7(2):155-168	Multi-analyte immunoassay	00/00/1989

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	123	Longmire et al.	LRA 3:195-198 (1991)	Automated Construction of High-Density Gridded Arrays of Chromosome-Specific Cosmid Libraries	00/00/1991
	124	Beltz et al.	Meth. Enzymology 100(19):266-285	Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods	00/00/1983
	125	Hanahan & Meselson	Meth. Enzymology 100:333-342	Plasmid Screening at High Colony Density	00/00/1983
	126	Miyada et al.	Meth. Enzymology 154:94-107	Oligonucleotide Hybridization Techniques	00/00/1987
	127	Kidd et al.	Nature 304:230-234	alpha-1Antitrypsin deficiency detection by direct analysis of the mutation of the gene	07/21/1983
	128	Saiki et al.	Nature 324:163-166	Analysis of Enzymatically Amplified B-Globin and HLA-DQa DNA With Allele-Specific Oligonucleotide Probes	11/13/1986
	129	Lichter and Ward	Nature 345:93-94	Is non-isotopic in situ hybridization finally coming of age?	05/03/1990
	130	Little	Nature 346:611-612	Clone maps made simple	08/16/1990
	131	Ohtsuka et al.	Nuc. Acids Res. 1(10):1351-1357	Studies on transfer ribonucleic acids and related compounds	10/00/1974
	132	Seed	Nuc. Acids Res. 10(5):1799-1810	Diazotizable arylamine cellulose papers for the coupling and hybridization of nucleic acids	00/00/1982

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	134	Renz & Kurz	Nuc. Acids Res. 12: 3435-3444	A colorimetric method for DNA hybridization	00/00/1984
	135	Ghosh & Musso	Nuc. Acids Res. 15(13):5353-5372	Covalent attachment of oligonucleotides to solid supports	00/00/1987
	136	Gingeras et al.	Nuc. Acids Res. 15(13):5373-5390 (1987)	Hybridization Properties of Immobilized Nucleic Acids	00/00/1987
	137	Hodgson and Fisk	Nuc. Acids Res. 15(15):6295	Hybridization probe size control: optimized 'oligolabeling'	00/00/1987
	138	Schafer, Epplen et al.	Nuc. Acids Res. 16(19):9344	DNA fingerprinting using non-radioactive oligonucleotide probes specific for simple repeats	00/00/1988
	139	Zischler, Epplen et al.	Nuc. Acids Res. 17(11):4411	Non-radioactive oligonucleotide fingerprinting in the gel	00/00/1989
	140	Anand et al.	Nuc. Acids Res. 18(8):1951-1956	A 3.5 genome equivalent multi access YAC library: construction, characterization, screening and storage.	00/00/1990
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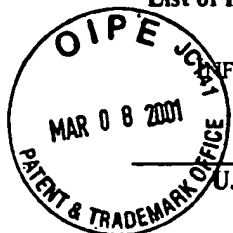
List of Patents and Publications for Applicant's

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See Page 4-6Other Art  
See Page 6-13

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